

Converting Colors

$Y_{xy}(65.9725, 0.2297, 0.2978)$

Have a look what the booklet for
Yxy(65.9725, 0.2297, 0.2978)
contains.

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Color

Yxy(66.1933, 0.2297, 0.2984)

Conversions

Conversions Part 1

Format	Color
Hex	5EE6FF
RGB	94, 230, 255
RGB Percent	37%, 90%, 100%
CMY	0.6317, 0.0980, 0.0001
CMYK	0.63, 0.10, 0.00, 0.00
HSL	189°, 100%, 68%
HSV	189°, 63%, 100%
XYZ	50.9538, 66.1933, 104.6804
YIQ	192.1860, -89.0810, -21.0570

Conversions

Conversions Part 2

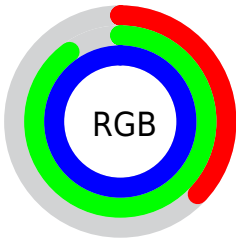
Format	Color
R _Y B	94, 168, 255
Decimal	6219519
CIE Lab	85.09, -29.58, -23.09
CIE LCh	85, 37.523, 217.980
Yxy	66.1933, 0.2297, 0.2984
Android (android.graphics.Color)	4284409599 (0xFF5EE6FF)
YUV	192.1860, 30.9673, -86.1091
Hunter-Lab	81.3593, -30.5876, -19.3336

Details

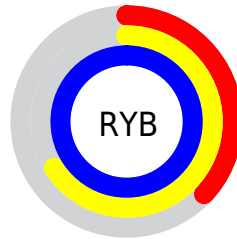
The Yxy color **66.1933, 0.2297, 0.2984** is a light color, and the websafe version is hex **99FFFF**. The color can be described as light muted cyan. A complement of this color would be **35.2308, 0.4993, 0.3530**, and the grayscale version is **52.6708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **34.3493, 0.2139, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **62.8891, 0.2220, 0.2928**, and if you desaturate by 10%, it is **69.9972, 0.2393, 0.3039**.

Distribution



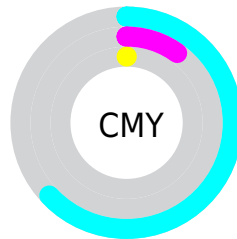
- Red (37%)
- Green (90%)
- Blue (100%)



- Red (37%)
- Yellow (66%)
- Blue (100%)



- Cyan (63%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (63%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1933, 0.2297, 0.2984 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 66.1933, 0.2297, 0.2984 by changing the saturation by 10% instead.


 66.1933, 0.2297,
0.2984


 66.1933, 0.2297,
0.2984


447.0679, 0.2673,
0.3139


 48.4293, 0.2214,
0.2946

 113.7637, 0.2426,
0.3040

 34.1670, 0.2112,
0.2897


 144.3390, 0.2476,
0.3061

 23.0219, 0.1987,
0.2834


 179.9534, 0.2520,
0.3079

 14.6097, 0.1827,
0.2749

220.9915, 0.2558,
0.3094

 8.5459, 0.1620,
0.2628

267.8376, 0.2592,
0.3108

 4.4462, 0.1344,
0.2447

320.8761, 0.2622,

 1.9262, 0.0970,

0.3119

380.4914, 0.2649,
0.3130

0.2156

0.5640, 0.0000,
0.1647

0.0000, 0.0000,
0.0000

66.1933, 0.2297,
0.2984

66.1933, 0.2297,
0.2984

62.8891, 0.2220,
0.2928

69.9972, 0.2393,
0.3039

60.0310, 0.2162,
0.2872

74.3332, 0.2507,
0.3093

57.5657, 0.2123,
0.2817

79.2394, 0.2636,
0.3144

56.0510, 0.2105,
0.2779

84.7480, 0.2776,
0.3192

■ 90.8887, 0.2924,
0.3237

■ 97.6890, 0.3078,
0.3278

■ 99.9987, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.1933, 0.2494, 0.3428



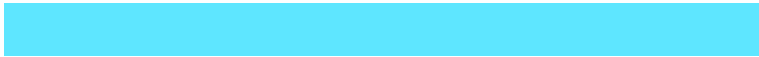
66.1933, 0.2297, 0.2984



66.1933, 0.2303, 0.2673

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.1933, 0.2297, 0.2984



66.1933, 0.3351, 0.2800



66.1933, 0.3746, 0.4086

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



66.1933, 0.2297, 0.2984



35.2308, 0.4993, 0.3530

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.1933, 0.4015, 0.3840



66.1933, 0.2297, 0.2984



66.1933, 0.3786, 0.3116

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.1933, 0.2297, 0.2984



66.1933, 0.2881, 0.2596



66.1933, 0.4035, 0.3486



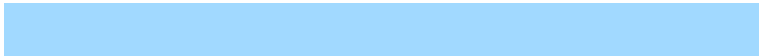
66.1933, 0.3321, 0.4114

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.1933, 0.2297, 0.2984



66.1933, 0.2418, 0.2567



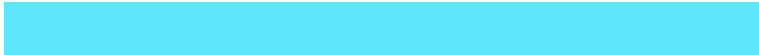
66.1933, 0.4035, 0.3486



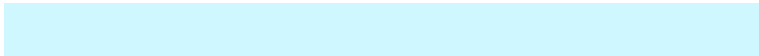
66.1933, 0.3859, 0.4023

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



66.1958, 0.2297, 0.2984



87.2420, 0.2837, 0.3211



75.1928, 0.2944, 0.5073



18.3063, 0.2794, 0.3198



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.1958, 0.2297, 0.2984



62.0462, 0.2201, 0.2912



31.5013, 0.2049, 0.1921



19.9734, 0.2980, 0.3252



29.4737, 0.2108, 0.2788



2.9934, 0.2125, 0.2851

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.9623, 0.3441, 0.2021



30.0528, 0.3519, 0.1871



62.7309, 0.4366, 0.4307



18.2491, 0.3162, 0.3091



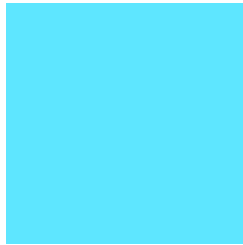
13.7034, 0.3645, 0.1782



1.3467, 0.3588, 0.1750

Previews

White Background



This preview shows how the Yxy color 66.1933, 0.2297, 0.2984 looks on a white background.

Color Contrast Check

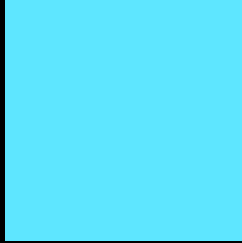
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 66.1933, 0.2297, 0.2984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.1933, 0.2297, 0.2984

Background



This preview shows how black text looks on a background with the Yxy color 66.1933, 0.2297, 0.2984.

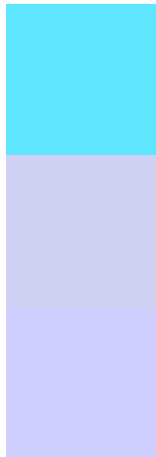


This preview shows how white text looks on a background with the Yxy color 66.1933, 0.2297, 0.2984.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

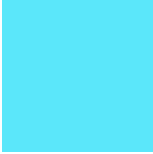
66.1933, 0.2297, 0.2984

Protanopia

65.0736, 0.2894, 0.2936

Deuteranopia

65.1110, 0.2814, 0.2772



Tritanopia

66.2781, 0.2311, 0.3054

Trichromacy



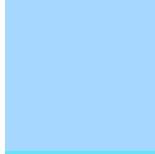
Original Color

66.1933, 0.2297, 0.2984



Protanomaly

64.2789, 0.2615, 0.2951



Deuteranomaly

63.9279, 0.2571, 0.2830



Tritanomaly

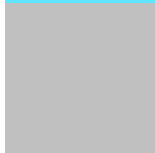
66.4554, 0.2306, 0.3031

Monochromacy



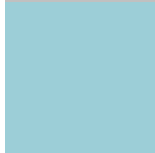
Original Color

66.1933, 0.2297, 0.2984



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.1168, 0.2718, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1933, 0.2297, 0.2984 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(94, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 230, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(94, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.1933, 0.2297, 0.2984 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 230, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(94, 230, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(94, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1933, 0.2297, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 230, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(94, 230,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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